

On page 3, line 14, change "Figure 10 illustrates" to --Figures 10a-10g illustrate--.

On page 7, line 32, after "masks" insert --,--.

On page 8, line 36, before "E-BUS SLAVE" insert -- the--.

On page 8, line 37, before "E-BUS MASTER" insert -- the--.

On page 9, line 1, before "E-BUS MASTER" insert -- the--.

On page 9, line 2, before "E-BUS SLAVE" insert -- the--.

On page 9, line 8, after "EB-REG" insert --to that--.

On page 9, line 14, after "indicates" insert --,--.

On page 9, line 15, after "polarity" insert --,--.

On page 12, line 7, change "looks" to --may be accomplished--.

On page 12, line 31, before "E-BUS" insert --The--.

**IN THE ABSTRACT:**

Please replace the abstract with the abstract on the separate sheet attached hereto.

**IN THE CLAIMS:**

Please amend the claims as follows:

19. (Amended) A bus system, comprising:  
a processing unit, the processing unit having a